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tively small—mostly 3, 4 and 5 per cent. It is noticeable that in Alsace-Lorraine, the population of which declined from 1871 to 1885, there has been since the latter date a progressive increase in population, the percentage of growth during the past five years being 5.53 and the actual population last December 1,814,626, or 265,000 more than in 1871. The continued tendency of population to accumulate in large cities is illustrated by the returns for the Hanse towns, the increase in the case of Hamburg (free city and state) being 13.89 per cent., in the case of Bremen 17.14 per cent., and in the case of Lübeck 9.38 per cent. The male population of Germany (29,868,096) is still slightly less than the female population (30,737,087); but, taking the empire as a whole, the proportional increase in the former (7.68 per cent.) has been slightly in excess of the increase in the latter (7.36 per cent.).

SCIENTIFIC NOTES AND NEWS.

PROFESSOR SEUBERT, hitherto the German member of the international committee on atomic weights, has resigned, and Professor Ostwald has been appointed his successor. The committee now consists of F. W. Clarke, United States, chairman; T. E. Thorpe, Great Britain; H. Moissan, France, and W. Ostwald, Germany.

MRS. W. P. FLEMING, curator of astronomical photographs in the Harvard College Observatory, has been elected an honorary member of the Royal Astronomical Society. Mrs. Fleming has also been appointed honorary fellow in the department of astronomy in Wellesley College, in recognition of her distinguished work in astronomy and in gratitude for her helpful cooperation in the establishment of astronomical work in Wellesley College.

DR. CH. WARDELL STILES, of the Public Health and Marine Hospital Service, has been elected *correspondant étranger* of the *Société Centrale de Médecine Veterinaire de France*.

PROFESSOR EDMUND WEISS, professor of astronomy in the University of Vienna, has been elected a corresponding member of the Paris Academy of Sciences in the room of the late O. Struve.

DR. A. WEISMANN, professor of zoology at Freiburg, celebrated, on July 9, the fiftieth anniversary of his doctorate.

DR. ADOLF WÜLLNER, professor of physics at Aachen, has celebrated his seventieth birthday.

PROFESSOR CONWAY MACMILLAN has resigned the chair of botany at the University of Minnesota, and will, it is understood, go into business.

MR. EDWARD A. FATH, instructor in astronomy in the University of Illinois, has been appointed fellow in the Lick Observatory.

ACCORDING to a press despatch from Washington, the commission appointed by the Secretary of the Treasury, the Secretary of Commerce and Labor and the Secretary of Agriculture to formulate rules and regulations for the enforcement of the pure food law, held its first meeting on July 23 at the Department of Agriculture. Dr. H. W. Wiley, chemist of the Department of Agriculture, was elected president, and James L. Gerry, chief of the divisions of customs of the treasury, secretary. It was decided to begin work immediately upon the regulations, and the committee will meet from time to time for consultation as opportunities will be presented. Public hearings will be held, beginning in New York City, on September 17.

A NUMBER of his old pupils have indicated their intention to join in the presentation of his portrait to Sir Henry Littlejohn, emeritus professor of forensic medicine in the University of Edinburgh.

THE Cambridge Philosophical Society has awarded the Hopkins prize for the period 1897-1900 to Mr. S. S. Hough, F.R.S., chief assistant at the Royal Observatory, Cape of Good Hope, for his work on the dynamical theory of the tides.

THE London Chemical Society has awarded its Longstaff medal to Professor W. N. Hartley for his spectroscopical researches.

THE Ceylon government has added a hospital to the pathological laboratory which it recently established at Colombo. Both institutions are under the charge of Dr. Castellani.

THE states of Maryland and North Carolina will cooperate this summer with the U. S.

Geological Survey in the investigation of the geology of the Atlantic Coastal Plain formations. This work will be done under the direction of Professor W. B. Clark, of the Maryland State Survey.

THE geology of the Wilmington, Phoenixville and Honey Brook quadrangles in southeastern Pennsylvania will be mapped this summer by Miss Florence Bascom, assistant geologist of the U. S. Geological Survey and associate professor in Bryn Mawr College. She will complete the survey of the crystallines of the Wilmington and Phoenixville quadrangles and make a preliminary survey of the Honey Brook quadrangle, with a view to gaining further light on the problem of the Piedmont gneisses.

AREAL and economic surveys in Georgia, North Carolina, South Carolina and Tennessee will be made this summer by Mr. Arthur Keith, geologist, of the U. S. Geological Survey, assisted by Mr. D. B. Sterrett.

MR. WILLIAM L. FINLEY met with a somewhat serious accident by the fall of his horse while he was engaged in photographing bald eagle and osprey nests on San Clemente Island.

MR. E. G. WOODRUFF, instructor in mineralogy at the Oklahoma State University, has been granted a year's leave of absence to study at Harvard, where he has secured a scholarship.

MR. JOHN G. HALL, assistant in the Harvard department of botany, has been elected to the position of assistant in plant pathology in the North Carolina Agricultural Experiment Station.

At the general meeting of the British Institute of Hygiene, held last week, Sir William Broadbent was elected president and Sir William Bennett, Surgeon-General Cleghorn, Sir Alfred Cooper, Mr. Mayo Robinson and Professor Sims Woodhead were elected as vice-presidents of the association.

DR. PAUL DRUDE, who last year went to Berlin as professor of physics and director of the physical laboratory, died by suicide on July 5, at the age of forty-two years. Dr. Drude was editor of the *Annalen der Physik*

and was eminent for his theoretical and experimental researches on the electromagnetic theory of light.

THE death is announced of Dr. Joseph Körösy, director of the Statistical Bureau at Buda Pesth and the author of important studies on demography.

THE death is announced of Dr. George W. Atherton, since 1882 president of the Pennsylvania State College. He was born in Massachusetts in 1837, and graduated from Yale University in 1863.

THE U. S. Civil Service Commission announces an examination, on August 29-30, to secure eligibles from which to make certification to fill at least ten vacancies in the position of assistant engineer, at salaries of \$1,400 to \$1,600 per annum and two or more at a salary of \$1,800 per annum each, in the Philippine Service, and similar vacancies as they may occur in that service.

THE French Association for the Advancement of Science is holding its thirty-fifth meeting at Lyons this week, under the presidency of M. Gabriel Lippmann.

AN International Congress on Polar Exploration will meet at Brussels, beginning on September 7. Further information may be obtained from M. Lecoqte, director of the Brussels Observatory.

THE International Committee on Aeronautics, of which M. Hergesell is president, will hold its fifth biennial congress at Milan at the beginning of September. M. Palazzo, director of the Italian Meteorological Service, will be the president of the congress.

THE seventh annual meeting of the American Conference of Pharmaceutical Faculties will meet at Indianapolis, Ind., on September 5 at 3 P.M., under the presidency of Dr. Henry M. Whelpley, of St. Louis.

By action of the legislature of Indiana, the Indiana University has been given the management of the Donaldson farm, a tract of one hundred and eighty-two acres of timber land, on which are the openings to extensive caves and to the richest blind-fish localities

known. For the full year from September 1, 1906, to September 1, 1907, the university offers a fellowship to the value of \$500 to a graduate student desiring and able to conduct research work with cave animals. He must reside on the farm. The university has erected a two-roomed shack, 15 x 30 feet, which serves temporarily as sleeping quarters and laboratory. The place is equipped with beds, kitchen and dining-room furniture, aquaria, microscope, etc. Applications and letters of enquiry should be addressed to C. H. Eigenmann, Winona Lake, Indiana.

UNIVERSITY AND EDUCATIONAL NEWS.

THE sum of \$50,000 has been given to Yale University by Mr. Edwin Milner, of Plainfield, Conn. The interest on the money is to be used to educate some resident of Plainfield.

THE State College of Physicians and Surgeons of Indianapolis, Indiana, has entered into an affiliation for educational purposes with Indiana University. By terms of the affiliation the first two years of the state college will be given in the laboratories of Indiana University, in the medical department of which the first two years of medicine have been given for several years. The last two years of the course will be given at Indianapolis, where a new hospital with a capacity of one hundred beds has been organized under the direct control of the state college, which will be used for clinical teaching. This will make it possible for students to follow cases throughout the entire course of the disease and assist in after-treatment of surgical cases. Graduates of the school will receive their medical degree and diploma from Indiana University.

KING EDWARD has approved the appointment of a Royal Commission for the purpose of holding an enquiry into Trinity College, Dublin, and the University of Dublin. The commission will consist of Sir Edward Fry (chairman), the Chief Baron of the Exchequer, Ireland, Sir T. Raleigh, Sir A. W. Rücker, Dr. H. Jackson, Dr. Douglas Hyde, Professor D. J. Coffey and Mr. S. B. Kelleher.

THE following promotions and appointments have been made at Brown University: Associate Professor Alexander Meiklejohn, dean of the university, to become professor of logic and metaphysics; Assistant Professor W. H. Kenerson, to become associate professor of mechanical engineering; Assistant Professor A. H. Blanchard, to become associate professor of civil engineering; Assistant Professor H. P. Manning, to become associate professor of mathematics; T. M. Phetteplace, to become assistant professor of mechanical engineering; C. W. Brown, to become assistant professor of geology; F. S. Beattie, to become assistant in chemistry; M. L. Dolt, to become assistant in chemistry; H. E. Chandler, to become assistant in civil engineering; and Miss Alice W. Wilcox, to become instructor in biology and household economics at the Women's College.

AT Lehigh University the following nominations and appointments have been announced: P. A. Lambert and Arthur E. Meake have been advanced from assistant professorships to full professorships in mathematics; John H. Ogburn from an instructorship to an assistant professorship in mathematics and astronomy; John Duer Irving from an assistant professorship to a full professorship in geology; Barry MacNutt from an instructorship to an assistant professorship in physics.

MR. E. B. HART, associate chemist of the New York Agricultural Experiment Station, has been chosen professor of agricultural chemistry and chemist of the Experiment Station of the University of Wisconsin.

MR. CHAS. T. KIRK, A.M. (Oklahoma, '05), was recently elected assistant professor of geology at the Montana School of Mines, Butte, Montana.

THE Alice Freeman Palmer fellowship at Wellesley College has been awarded to Miss Anna Johnson, B.A. (South Dakota), M.S. (Iowa), A.M. and Ph.D. (Radcliffe), a student in mathematics.

DR. MAX LE BLANC, professor of physical chemistry at Karlsruhe, has been called to the chair at Leipzig, vacant by the retirement of Professor Wilhelm Ostwald.